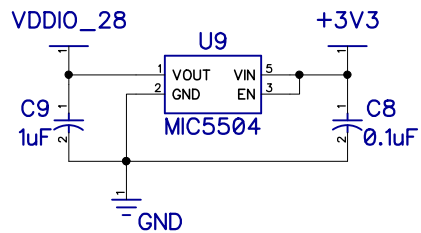
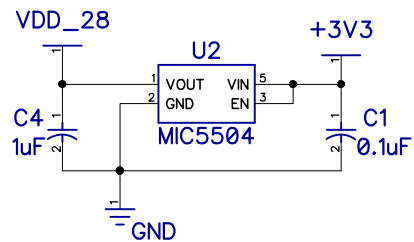
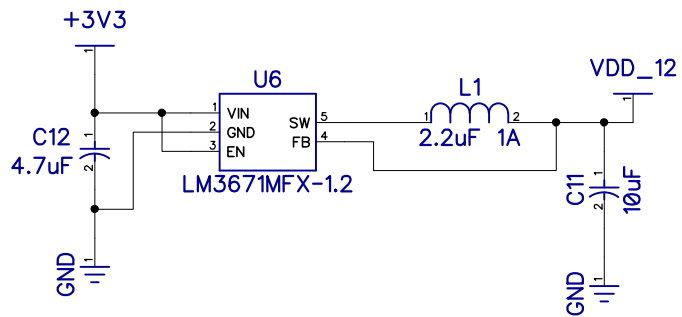
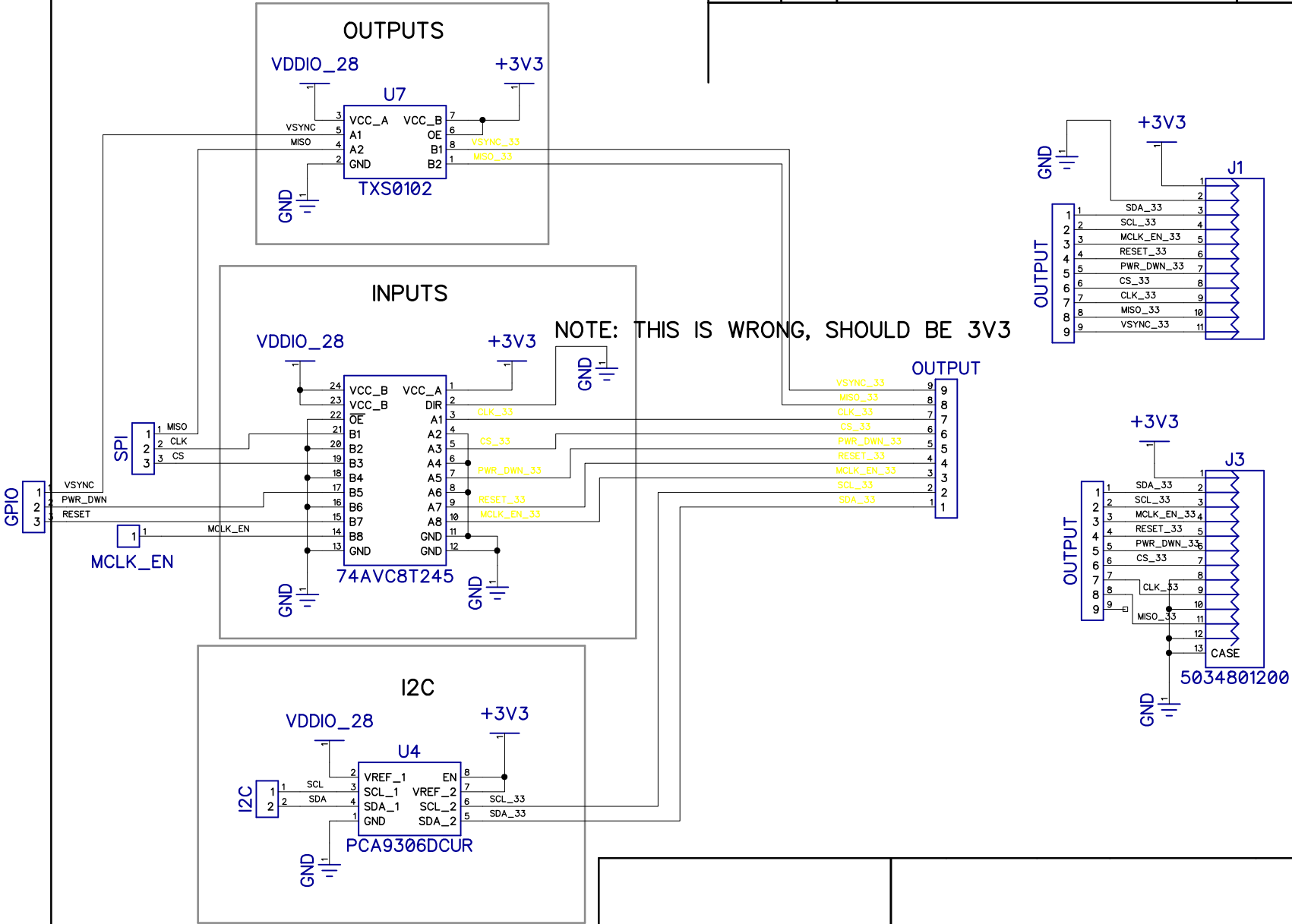


| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | | | | |



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| | | | | |
| | SIZE | FSCM NO. | DWG NO. | REV |
| | SCALE | | | POWER |

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | | | | |



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| | | SIZE | FSCM NO. | DWG NO. |
| | | SCALE | LEVEL SHIFTING | |

REV

DWG NO.

FSCM NO.

SIZE

LEVEL SHIFTING

SCALE

| | | | | REVISIONS | | | | |
|--|--|--|--|-----------|-----|-------------|------|----------|
| | | | | ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | | | | | | | | |

| RefDes | Name | Value | Quantity |
|---|---------------|----------|----------|
| C1, C5, C6, C8, C10 | CAP_0603 | 0.1uF | 5 |
| C4, C9 | CAP_0603 | 1uF | 2 |
| C7 | CAP_0603 | 10pF | 1 |
| C11 | CAP_0805 | 10uF | 1 |
| C12 | CAP_0805 | 4.7uF | 1 |
| CLK, CS, MCLK, MCLK_EN, MISO, PWR_DWN, RESET, SCL, SDA, VDD, VDDC, VDDIO, VSYNC | TestPoint_035 | | 13 |
| J1 | 1-644456-1 | | 1 |
| J3 | 5034801200 | | 1 |
| L1 | IND_1210 | 2.2uF 1A | 1 |
| PULLUP_EN | RES_0805 | | 1 |
| R1, R2, R3, R4 | RES_0603 | 10K | 4 |
| R7, R8 | RES_0603 | 4.7K | 2 |
| U1 | Flir Lepton | | 1 |
| U2, U9 | MIC5504 | | 2 |
| U4 | PCA9306DCUR | | 1 |
| U5 | 74AVC8T245 | | 1 |
| U6 | LM3671MFX-1.2 | | 1 |
| U7 | TXS0102 | | 1 |
| U8 | DS75U-C12+T&R | | 1 |
| Y1 | DSC6101C | 25MHz | 1 |

I2C

1

2

SCL

SDA

SPI

1

2

3

MISO

CLK

CS

GPIO

1

2

3

VSYNC

PWR_DWN

RESET

MCLK_EN

1

MCLK_EN

VDDIO_28

VDDIO

VDD_28

VDD

VDD_12

VDDC

| | | | | |
|--|-------|----------|-------------|-----|
| | | | | |
| | | | | |
| | SIZE | FSCM NO. | DWG NO. | REV |
| | SCALE | | TEST POINTS | |